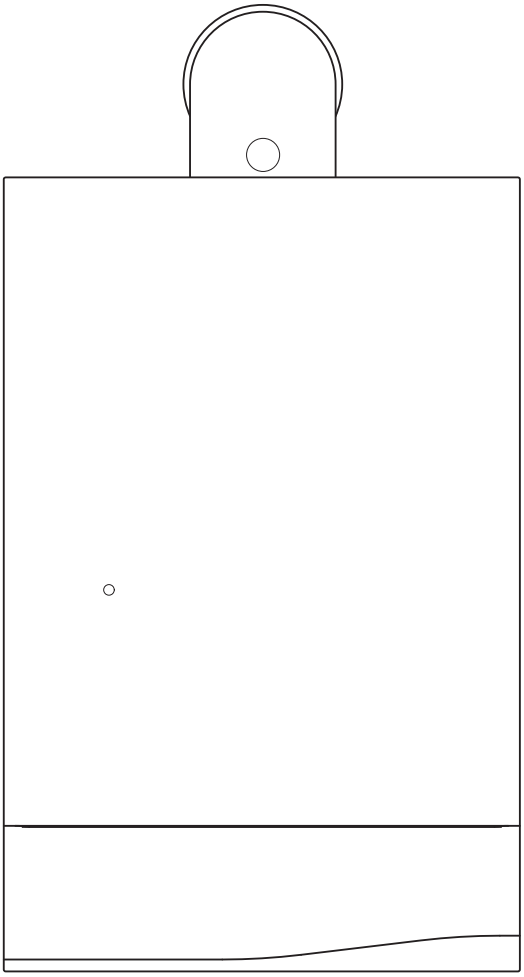
United Kingdom
en

MAIN HEATING



User Guide

Condensing Central Heating Boiler

Main Heat

12 - 15 - 18 - 24 - 30

Please keep these instructions in a safe place.
If you move house, please hand them over to the next occupier.

Natural Gas

Main 12 Heat ErP
G.C.N° 41-467-23
Main 15 Heat ErP
G.C.N° 41-467-24
Main 18 Heat ErP
G.C.N° 41-467-25
Main 24 Heat ErP
G.C.N° 41-467-26
Main 30 Heat ErP
G.C.N° 41-467-27

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The Benchmark Scheme

Baxi Heating UK Ltd is a licensed member of the Benchmark Scheme which aims to improve the standards of installation and commissioning of domestic heating and hot water systems in the UK and to encourage regular servicing to optimise safety, efficiency and performance.

Benchmark is managed and promoted by the Heating and Hotwater Industry Council. For more information visit **www.centralheating.co.uk**

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CE 0086

energy saving trust endorsed product

benchmark COLLECTIVE MARK
THE MARK OF QUALITY FOR THE INSTALLATION, COMMISSIONING AND SERVICING OF DOMESTIC HEATING AND HOT WATER SYSTEMS

BSI™
ISO 9001
FM 00866

1.0 Operating the Boiler

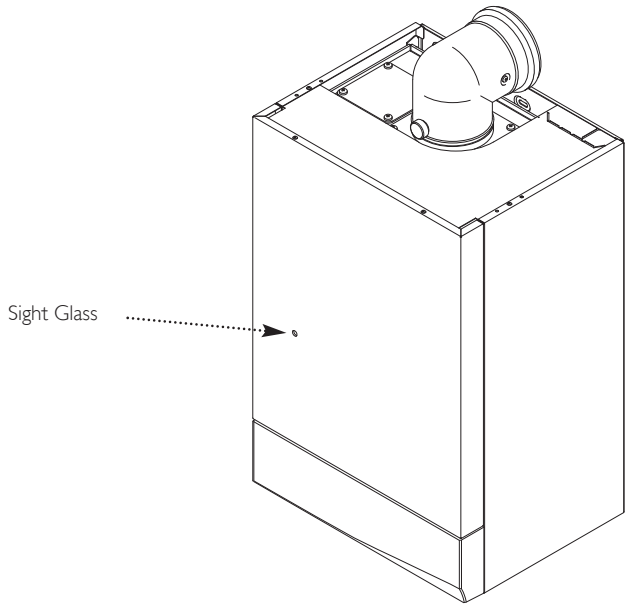
1.1 In Operation

1. The Main Heat is a range of high efficiency condensing boilers.

2. In common with other condensing boilers its exceptional efficiency means the flue gases are cooled to such an extent that steam is often visible at the outside flue terminal.

3. The amount produced depends on system design, product use and outside air temperature but it is not harmful to the individual or the working of the boiler in any way.

4. Other Controls
A programmer or other type of clock should have been fitted in your system, together with heating and hot water controls. Full instructions on the use of these controls will have been supplied with them.



1.2 To Light

1. Ensure that the main gas and electricity supplies to the boiler are ON.

2. The fan will start to run and after a short period the ignition spark will commence. Sparking will continue until the flame is established then stop automatically. Check that a flame is visible through the sight glass.

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Boiler not working

START

Make sure the gas supply is turned ON and check if other gas appliances are operating (e.g. fire, cooker).

YES → Is there electricity to the boiler ?

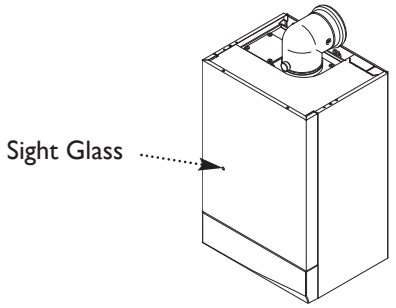
NO → If no gas, consult your supplier.

NO → Check electrical supply to boiler is switched on.

YES → Ignition Spark will commence

NO

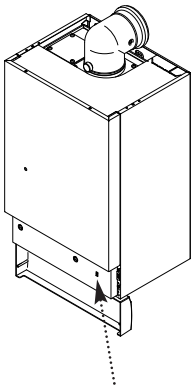
YES → Boiler flame established (Check that a flame is visible through the sight glass)



YES → Boiler operating satisfactorily.

YES → Boiler fails to light ?

YES → Press the Reset Button



If boiler will not light. → CONTACT YOUR INSTALLER OR SERVICE ENGINEER.

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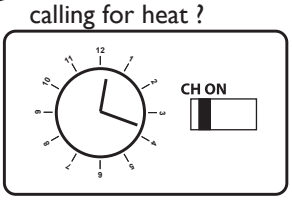
Is the Timer ON and calling for heat ?

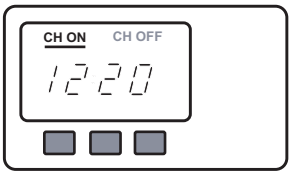
YES

Is the Room Thermostat (if fitted) set high enough ?

YES

Typical examples of external timer

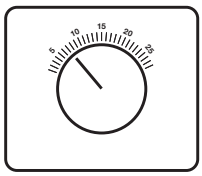




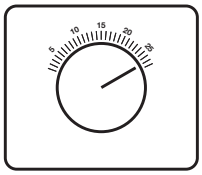
NO

Ensure timer is set for Central Heating ON (see any instructions supplied with timer)

NO



Turn Room Thermostat to maximum setting (typical example shown)



If you don't know what you need to do to get the boiler to light, or need help with the system and controls, contact your installer as soon as possible

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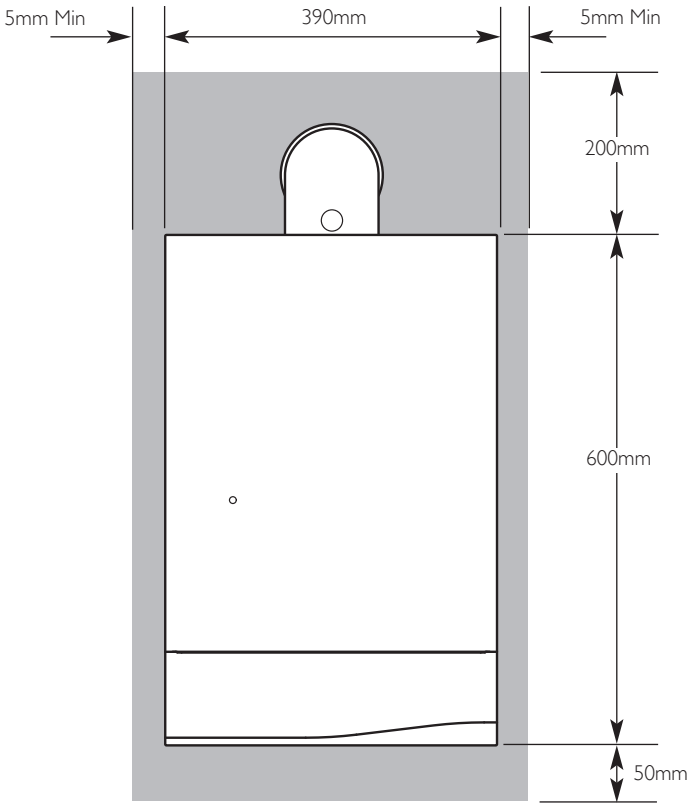

Fig. 1

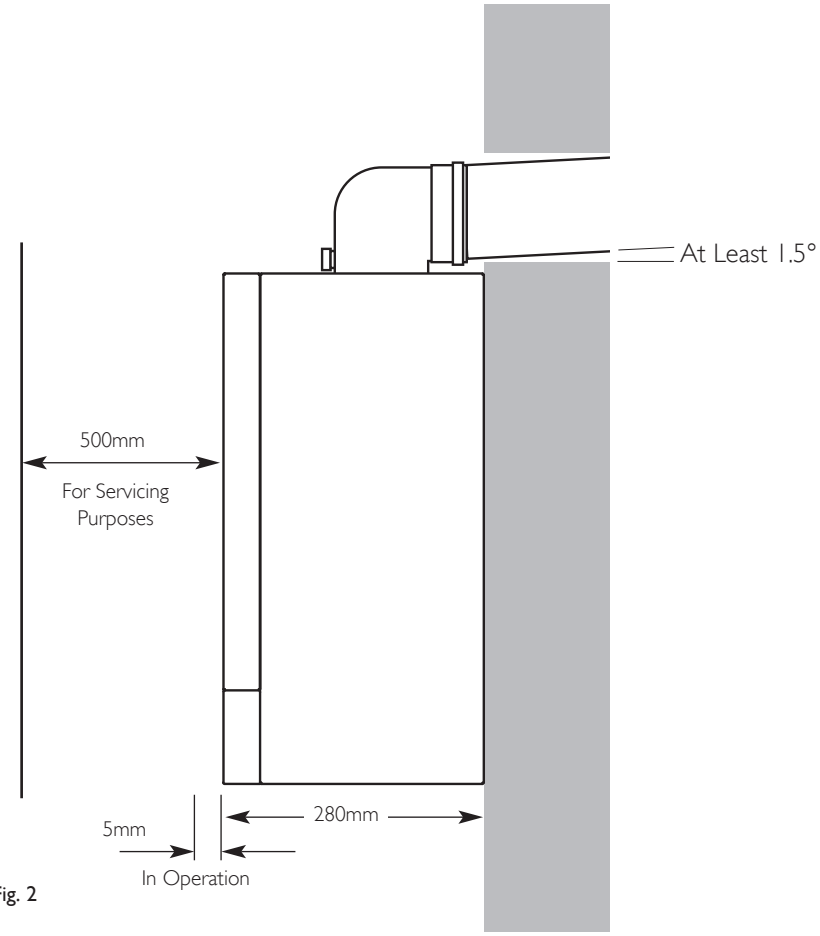

Fig. 2

3.0 Clearances

3.1 For your Safety

NOTE: Only qualified persons are authorised to assemble, install and maintain the installation.

1. This appliance must have been installed in accordance with the manufacturer's instructions and the regulations in force.

2. Any modification that may interfere with the normal operation of the appliance without express written permission from the manufacturer or his agent could invalidate the appliance warranty. In GB this could also infringe the Gas Safety (Installation and Use) Regulations.

GB - Heating Industry definition meaning England, Scotland, Wales, Northern Ireland, Isle of Man and the Channel Isles

3. Your boiler must not be operated without the casing correctly fitted.

4. Do not interfere with any sealed components on this boiler.

5. Take note of any warning labels on your boiler.

6. Your boiler should have the following minimum clearances for Safety and Maintenance (Figs. 1 & 2):-

Top	- 200mm
Bottom	- 50mm
Left side	- 5mm
Right Side	- 5mm
Front	- 5mm (In Operation)
	- 500mm (For Servicing)

7. If your boiler is installed in a compartment, do not use it for storage purposes. Do not obstruct any purpose provided ventilation openings.

8. Flammable materials must not be stored in close proximity to your boiler.

9. Avoid skin contact when your boiler is in operation, as some surfaces may get hot e.g. pipework.

10. Ensure that the flue terminal, outside the house, does not become damaged or obstructed, particularly by foliage.

11. It is important that the condensate drain system is not blocked, modified or damaged in any way as this would affect the operation of your boiler. Your installer should have insulated any exposed pipework.

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4.0 Care of the Boiler

4.1 Cleaning the Outercase

1. The painted panels should be wiped with a damp cloth and then dried completely. **DO NOT USE ABRASIVE CLEANING AGENTS.**

4.2 Frost Protection

1. The boiler does not have integral frost protection. It is recommended that the installer fits a suitable protection device to the system controls if required. For frost protection the boiler must not be switched off at the isolation switch on the wall.

5.0 Disposal

5.1 Disposal and Recycling

NOTE: Removal and disposal of the boiler must be carried out by a qualified person in accordance with local and national regulations.

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6.0 Legislation

6.1 Installation, Commissioning, Service & Repair

1. This appliance must be install in accordance with the manufacturer's instructions and the regulations in force. Read the instructions fully before installing or using the appliance.

2. In GB, this must be carried out by a competent person as stated in the Gas Safety (Installation & Use) Regulations.

3. **Definition of competence:** A person who works for a Gas Safe registered company and holding current certificates in the relevant ACS modules, is deemed competent.

4. IN IE (Eire), this must be carried out by a competent person as stated in I.S. 813 "Domestic Gas Installations".

Lifting - This product should be lifted and handled by two people. Stooping should be avoided and protective equipment worn where necessary. Carrying & lifting equipment should be used as required, e.g. when installing in a loft space.

All Gas Safe registered engineers carry an ID card with their licence number and a photograph. You can check your engineer is registered by telephoning 0800 408 5500 or online at www.gassaferegistered.co.uk

The boiler meets the requirements of Statutory Instrument "The Boiler (Efficiency) Regulations 1993 No 3083" and is deemed to meet the requirements of Directive 92/42/EEC on the energy efficiency requirements for new hot water boilers fired with liquid or gaseous fuels:-

Type test for purpose of Regulation 5 certified by:
Notified Body 0086.

Product/Production certified by:
Notified Body 0086.
Ref: 86-BL-647

For GB/IE only.

6.2 Benchmark Commissioning Checklist

1. Please ensure that the installer has fully completed the Benchmark Checklist on the inside back pages of the installation instructions supplied with the product and that you have signed it to say that you have received a full and clear explanation of its operation. The installer is legally required to complete a commissioning checklist as a means of complying with the appropriate Building Regulations (England and Wales).

2. All installations must be notified to Local Area Building Control either directly or through a Competent Persons Scheme. A Building Regulations Compliance Certificate will then be issued to the customer who should, on receipt, write the Notification Number on the Benchmark Checklist.

3. This product should be serviced regularly to optimise its safety, efficiency and performance. The service engineer should complete the relevant Service Record on the Benchmark Checklist after each service.

4. The completed Benchmark Checklist may be required in the event of any warranty work.

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7.0 Warranty & Service

7.1 General

To make sure your boiler warranty is activated and maintained, it is essential that the:

1. Benchmark checklist is completed by your installer
2. Warranty is registered with Baxi
3. Boiler has an annual service

Please note that failure to adhere to terms and conditions will make your warranty invalid.

7.2 Standard Warranty Terms and Conditions

Warranty Registration, Service & Repair

For full terms and conditions, visit www.baxi.co.uk/terms.

Benchmark Checklist

The Benchmark Checklist will be completed by your installer and records that the boiler has been installed and commissioned correctly. It can be found at the back of the installation and service manual and should be kept in a safe place for the life of the boiler. We will check that the Benchmark Checklist has been completed on an in-warranty visit.

Ways to register your warranty

If your boiler is eligible for an extended warranty, your installer may register the product on your behalf and provide you with the relevant documentation. Please check with your installer.

Should this not be the case, you can register your warranty online at **www.baxi.co.uk/registration**

To activate a **standard two year warranty**, please use one of the following methods:

- Freephone 0800 013 7989 or
- Return the enclosed registration card

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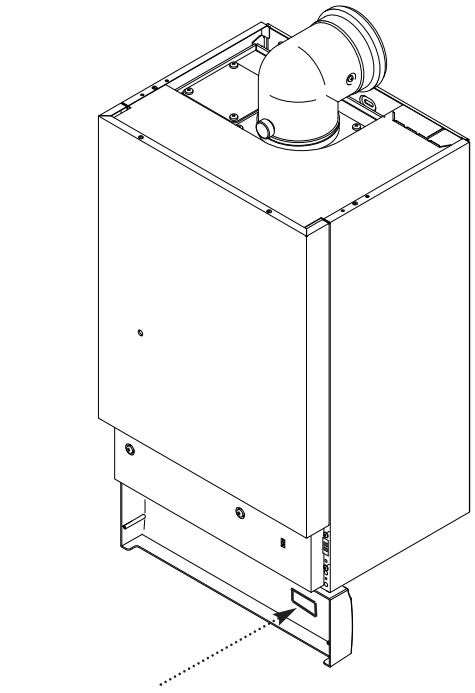

7.0 Warranty & Service

Annual Service
A service must be completed every 12 months from the date of installation to maintain your warranty.

This service must be completed by one of the following:

- A Gas Safe registered installer/engineer
- Baxi Customer Support; call us 0344 871 1525

Please make sure that your engineer has logged the service information at the back of the installation and service manual. You will be asked for your service history on any in-warranty repair visit.

If you experience a problem with your boiler
For any in or out of warranty repair, Baxi Customer Support is on hand to help you. Call our award-winning team to arrange for one of our nationwide team of Gas Safe registered engineers to visit.

If your product is in warranty, everything is free of charge, subject to our warranty terms and conditions. If it is out of warranty, we can still help and offer a range of options you can choose from to suit your needs.

Contact Baxi Customer Support 0344 871 1525

Opening hours
Monday - Friday, 8.00am - 6.00pm
Weekends and Bank Holidays, 8.30am - 2.00pm
Please note calls may be recorded for training and monitoring purposes.

When contacting Baxi Customer Support, please have the following information to hand:

- Boiler serial number. This can be found on the appliance.
- Proof of purchase if you do not have the boiler serial number.

Please note that for in-warranty repairs, our engineers will ask to see your service history record, completed Benchmark Checklist and details of your installer. These can all be found in the installation and user manual.

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8.0 ErP Information

8.1 Product Fiche - Boiler Space Heaters

Product fiche for boiler space heaters

Main Heat ErP		**12**	**15**	**18**	**24**	**30**
Seasonal space heating energy efficiency class		A	A	A	A	A
Rated heat output *(Prated or Psup)*	kW	12	15	18	24	30
Seasonal space heating energy efficiency	%	91	91	92	92	92
Annual energy consumption	kWh GJ	10550 38	13187 47	15652 56	20870 75	26087 94
Sound power level L_{WA} indoors	dB	38	46	49	52	58

See
For specific precautions about assembling, installing and maintaining, consult the relevant section as detailed on the Content page.

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8.2 Package Fiche - Boilers

Package fiche for boilers indicating the space heating energy efficiency of the package

Seasonal space heating energy efficiency of boiler

(1) 'I' ____ %

Temperature control

from fiche of temperature control

Class I = 1%, Class II = 2%, Class III = 1.5%, Class IV = 2%, Class V = 3%, Class VI = 4%, Class VII = 3.5%, Class VIII = 5%

(2) + ____ %

Supplementary boiler

from fiche of boiler

Seasonal space heating energy efficiency (in %)

(3) (____ - 'I') x 0.1 = ± ____ %

Solar contribution

from fiche of solar device

Collector size (in m²) | Tank volume (in m³) | Collector efficiency (in %) | Tank rating (1): A* = 0.95, A = 0.91, B = 0.86, C = 0.83, D - G = 0.81

('III' x ____ + 'IV' x ____) x 0.9 x (____ /100) x ____ = + (4) ____ %

(1) If tank rating is above A, use 0.95

Supplementary heat pump

from fiche of heat pump

Seasonal space heating energy efficiency (in %)

(5) (____ - 'I') x 'II' = + ____ %

Solar contribution AND Supplementary heat pump

select smaller value

0.5 x (4) ____ OR 0.5 x (5) ____ = - (6) ____ %

Seasonal space heating energy efficiency of package

(7) ____ %

Seasonal space heating energy efficiency class of package

G	F	E	D	C	B	A	A+	A++	A+++
<30%	≥30%	≥34%	≥36%	≥75%	≥82%	≥90%	≥98%	≥125%	≥150%

Boiler and supplementary heat pump installed with low temperature heat emitters at 35°C ?

from fiche of heat pump

(7) ____ + (50 x 'II') = ____ %

The energy efficiency of the package of products provided for in this fiche may not correspond to its actual energy efficiency once installed in a building, as this efficiency is influenced by further factors such as heat loss in the distribution system and the dimensioning of the products in relation to building size and characteristics.

AD-3000743-01

I The value of the seasonal space heating energy efficiency of the preferential space heater, expressed in %.

II The factor for weighting the heat output of preferential and supple mentary heaters of a package as set out in the following table.

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8.2 Package Fiche - Boilers (cont)

III The value of the mathematical expression: 294/(11 · Prated), whereby 'Prated' is related to the preferential space heater.

IV The value of the mathematical expression 115/(11 · Prated), whereby 'Prated' is related to the preferential space heater.

Weighting of boilers

Psup / (Prated + Psup)[1][2]	II, package without hot water storage tank	II, package with hot water storage tank
0	0	0
0.1	0.3	0.37
0.2	0.55	0.70
0.3	0.75	0.85
0.4	0.85	0.94
0.5	0.95	0.98
0.6	0.98	1.00
≥ 0.7	1.00	1.00

(1) The intermediate values are calculated by linear interpolation between the two adjacent values.
(2) Prated is related to the preferential space heater or combination heater.

Package efficiency

Main Heat ErP		12	15	18	24	30
Temperature control X	%					
Temperature control Y	%					

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9.0 Emergency

Warning !

If you smell gas

Do not operate light switches
Do not operate any electrical equipment
Do not use a telephone in the hazardous area
Extinguish any naked flame and do not smoke
Open windows and doors in the hazardous area
Turn off the gas supply at the meter
Warn any other occupants and vacate the premises
Telephone the National Gas Emergency Service on:-
0800 111 999

Faulty boiler

If it is known or suspected that a fault exists on the boiler, it must not be used until the fault has been corrected by a competent person.

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Baxi Customer Support

0344 871 1525

Opening hours

Monday - Friday, 8.00am-6.00pm

Weekends and Bank Holidays, 8.30am-2.00pm

Please note calls may be recorded for training and monitoring purposes

baxi.co.uk

Register now to activate your warranty:

www.baxi.co.uk/registration

For the warranty to be maintained, please make sure...

1. Benchmark checklist is completed
2. Warranty is registered with Baxi
3. The boiler has an annual service

For full terms and conditions, visit www.baxi.co.uk/terms. Failure to adhere to terms and conditions will void your manufacturer's warranty.

Baxi
Brooks House,
Coventry Road,
Warwick, CV34 4LL

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Please ensure the boiler is installed in accordance with these installation instructions and that you adhere to the Building Regulations.

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e&oe
All descriptions and illustrations provided in this document have been carefully prepared but we reserve the right to make changes and improvements in our products which may affect the accuracy of the information contained in this leaflet. All goods are sold subject to our standard Conditions of Sale which are available on request.

part of BAXI

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